

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1900WO/JR/TK	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/FI 2004/050089	International filing date (day/month/year) 10 June 2004	(Earliest) Priority Date (day/month/year) 17 June 2003
Applicant Wärtsilä Finland Oy et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (see Box No. II)

3. Unity of invention is lacking (see Box No. III)

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 13

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050089

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F02M 59/46, F02M 55/02, F02M 63/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0855504 A1 (LUCAS INDUSTRIES PUBLIC LIMITED COMPANY), 29 July 1998 (29.07.1998), figure 1, abstract --	
A	US 4074668 A (INDRA), 21 February 1978 (21.02.1978), figures 1-4, abstract --	
A	EP 0325858 A2 (LUCAS INDUSTRIES PUBLIC LIMITED COMPANY), 2 August 1989 (02.08.1989), figures 1-4, abstract --	
A	DE 19834763 A1 (ROBERT BOSCH GMBH), 2 March 2000 (02.03.2000), figures 1-3, abstract --	

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search 16 Sept 2004	Date of mailing of the international search report 20 -09- 2004
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. + 46 8 666 02 86	Authorized officer Dan Ionesco / JA A Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT
Information on patent family members

31/07/2004

International application No.

PCT/FI 2004/050089

EP	0855504	A1	29/07/1998	AU	3184797 A	21/01/1998
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US	4074668	A	21/02/1978	CS	188353 B	30/03/1979
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				FR	2300905 A,B	10/09/1976
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EP	0325858	A2	02/08/1989	DE	3874720 A,T	22/10/1992
				ES	2035324 T	16/04/1993
				GB	8800956 D	00/00/0000
				JP	1220780 A	04/09/1989
				US	4979675 A	25/12/1990
				GB	8817466 D	00/00/0000
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DE	19834763	A1	02/03/2000	NONE		
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